

How to hardwire the Olympus D-390 Digital Camera (External battery method)

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This document covers in detail how to modify the Olympus D-390 Digital Camera so that the shutter can be controlled remotely. Use the standard RSP PIC chip with this method. **Please note that if you make this modification to your Olympus camera that you will void your camera's warranty. This modification can also result in damage to your digital camera if you do not follow the instructions properly.**

Tools Needed

1. 2.4 mm #0 Philips Screwdriver & Small Flat Blade Screwdriver.

Remove the camera covers

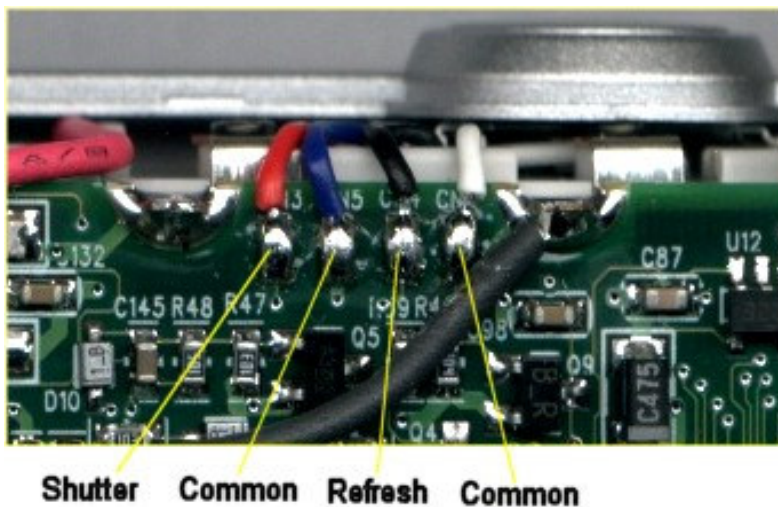
The first step is to remove the back cover of the D-390. This is easily done by removing the 8 small Philips screws from the case.

Be sure to remove the xD Media card and batteries before removing the case.



Camera control contact points

These are the contact points to control the camera shutter and refresh controls. These contact points are much smaller than the D-370 or D-380, so you have to be careful when soldering wires to these points.



Battery contact points

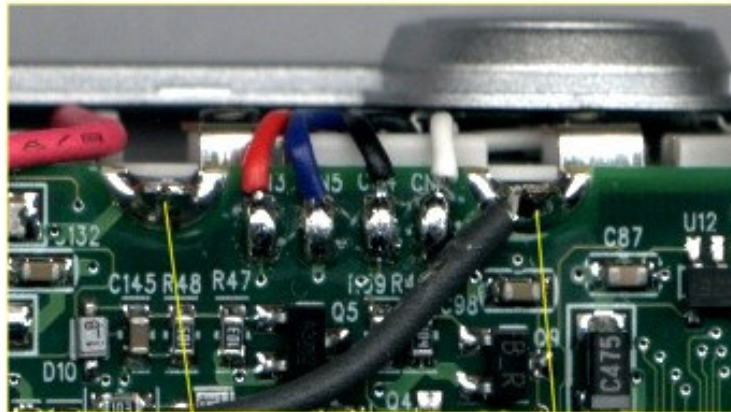
Since the D-390 does not have the same internal power characteristics as the D-370 or D-380 it's necessary to control this camera with the **PixController** RSP board.

The recommended way to wire the D-390's power is through the DC power jack, see "Figure 1". By doing so you will not add any internal wires to the D-390. Using the external power supply connector to power up/down the D-390 does not work unless you can find a 3.5V battery. We recommend using a 3 AA external battery.

If you want to wire the D-390 internally we will need to locate the internal battery contact points. The DC Voltage contact point is the (+) on the battery, and the Ground is the (-) on the battery.

Wire the battery contact points as to the **PixController** RSP board as shown in this board's manual. **DO NOT WIRE THE DC VOLTAGE TO THE PixController!! This will damage the board.**

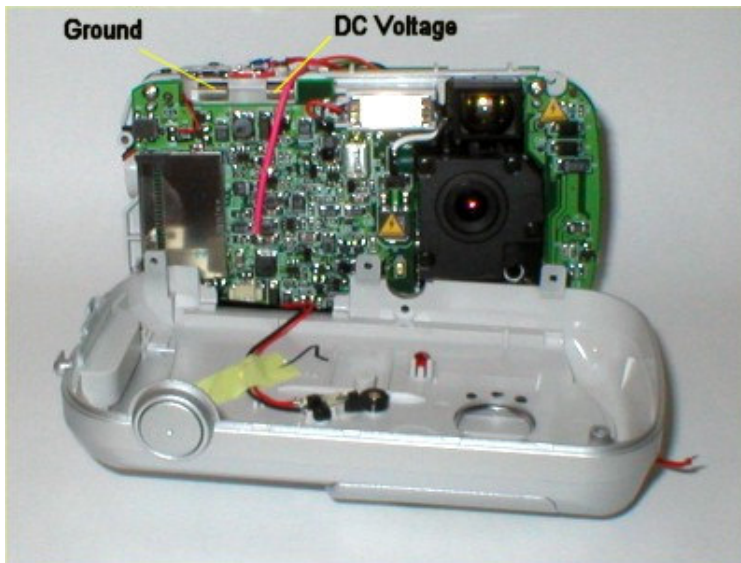
Remove any internal AA batteries. Your trail camera can not function with them in.



DC Voltage

Ground

Rear Battery Contact Points



Ground

DC Voltage

Front Battery Contact Points

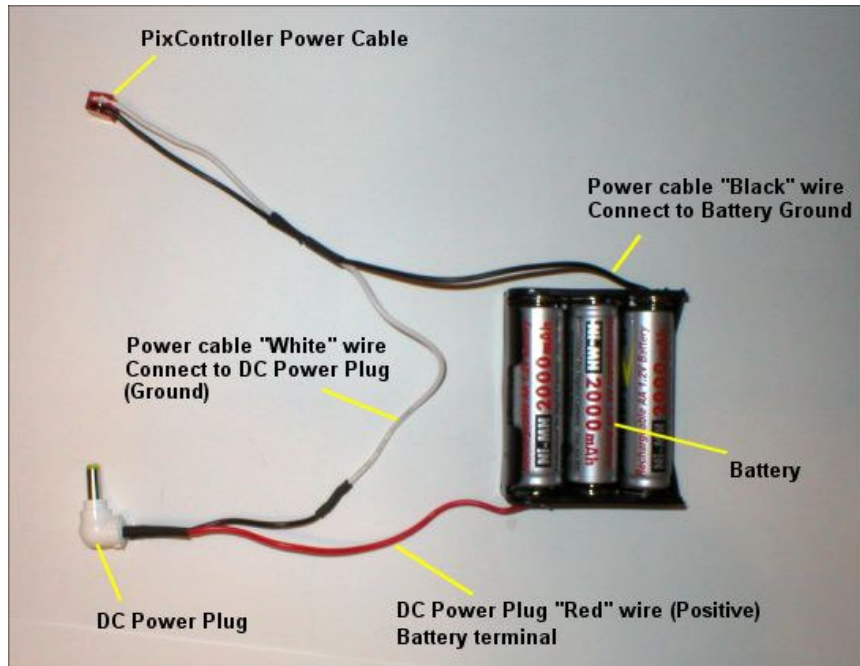


Figure 1

Wiring diagram for an external battery for the D-390. It is recommended that you use a 3 cell battery holder. This holder was constructed from a 4 AA cell holder sold at Radio Shack.

PixController Universal Board Wiring Information

Update 9/9/04

Shown below are the locations for wiring to the PixController Universal Board. You may either solder your connections to the "Camera Port", or use the enclosed Phone Cable and wire to the "Phone Jack Port".

Note: The included phone cable for the phone jack can come in 2 different types of configurations: Please make note if you have the **Standard** or **Reverse** Cable.

If the wiring for the phone line you have is BRGY

(Standard Cable)

Black -> Shutter

Red -> Refresh

Green -> Power on/off

Yellow -> Common or Ground

If the wiring for the phone line you have is YGRB

(Reverse Cable)

Yellow -> Shutter

Green -> Refresh

Red -> Power on/off

Black -> Common or Ground

